

PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR GAMMA LIGAND ELUTING MEDICAL DEVICE

ABSTRACT

Implantable medical devices having an anti-restenotic coatings are disclosed. Specifically, implantable medical devices having coatings of peroxisome proliferator-activated receptor gamma (PPAR γ) agonists are disclosed. The anti-restenotic PPAR γ ligands include thiazolidinedione compounds including ciglitazone. The anti-restenotic medical devices include stents, catheters, micro-particles, probes and vascular grafts. The medical devices can be coated using any method known in the art including compounding the thiazolidinedione with a biocompatible polymer prior to applying the coating. Moreover, medical devices composed entirely of biocompatible polymer-thiazolidinedione blends are disclosed. Additionally, medical devices having a coating comprising at least one thiazolidinedione in combination with at least one additional therapeutic agent are also disclosed. Furthermore, related methods of using and making the anti-restenotic implantable devices are also disclosed.